RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _09/783931 A_

Source: _FUO_

Date Processed by STIC: _5/6/5_

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 05/06/2005
PATENT APPLICATION: US/09/783,931A   TIME: 15:23:53

Input Set : D:\Substi SEQLIST 7326-122 (as filed).TXT
Output Set: N:\CRF4\05062005\I783931A.raw

```
 4 <110> APPLICANT: Ish-Horowicz, David
 5        Henrique , Domingos Manuel Pinto
 6        Lewis, Julian Hart
 7        Artavanis Tsakonas, Spyridon
 8        Gray, Grace
11 <120> TITLE OF INVENTION: ANTIBODIES TO VERTEBRATE DELTA PROTEINS
12        AND FRAGMENTS
14 <130> FILE REFERENCE: 7326-122-999
16 <140> CURRENT APPLICATION NUMBER: 09/783,931A
17 <141> CURRENT FILING DATE: 2001-02-15
19 <150> PRIOR APPLICATION NUMBER: 08/981,392
20 <151> PRIOR FILING DATE: 1997-12-22
22 <150> PRIOR APPLICATION NUMBER: PCT/US96/11178
23 <151> PRIOR FILING DATE: 1996-06-28
25 <150> PRIOR APPLICATION NUMBER: 60/000,589
26 <151> PRIOR FILING DATE: 1995-06-28
28 <160> NUMBER OF SEQ ID NOS: 94
30 <170> SOFTWARE: FastSEQ for Windows Version 4.0
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 2508
34 <212> TYPE: DNA                                OK
35 <213> ORGANISM: Gallus gallus
37 <220> FEATURE:
38 <221> NAME/KEY: CDS
39 <222> LOCATION: (277)...(2460)
40 <223> OTHER INFORMATION: Chick Delta (C-Delta-1) gene
42 <400> SEQUENCE: 1
43 gaattcggca cgaggttttt ttttttttt ttcccctctt ttctttcttt tccttttgcc 60
44 atccgaaaga gctgtcagcc gccgccgggc tgcacctaaa ggcgtcggta ggggatataac 120
45 agtcagagac cctcctgaaa gcaggagacg ggacggtacc cctccggctc tgcggggcgg 180
46 ctgcggcccc tccgttcttt cccctcccc gagagacact cttcctttcc ccccacgaag 240
47 acacaggggc aggaacgcga gcgctgcccc tccgcc atg gga ggc cgc ttc ctg   294
48                                            Met Gly Gly Arg Phe Leu
49                                             1               5
51 ctg acg ctc gcc ctc ctc tcg gcg ctg ctg tgc cgc tgc cag gtt gac   342
52 Leu Thr Leu Ala Leu Leu Ser Ala Leu Leu Cys Arg Cys Gln Val Asp
53          10                  15                  20
55 ggc tcc ggg gtg ttc gag ctg aag ctg cag gag ttt gtc aac aag aag   390
56 Gly Ser Gly Val Phe Glu Leu Lys Leu Gln Glu Phe Val Asn Lys Lys
57          25                  30                  35
59 ggg ctg ctc agc aac cgc aac tgc tgc cgg ggg ggc ggc ccc gga ggc   438
60 Gly Leu Leu Ser Asn Arg Asn Cys Cys Arg Gly Gly Gly Pro Gly Gly
61     40                  45                  50
```

```
63 gcc ggg cag cag cag tgc gac tgc aag acc ttc ttc cgc gtc tgc ctg       486
64 Ala Gly Gln Gln Gln Cys Asp Cys Lys Thr Phe Phe Arg Val Cys Leu
65  55              60                  65                  70
67 aag cac tac cag gcc agc gtc tcc ccc gag ccg ccc tgc acc tac ggc       534
68 Lys His Tyr Gln Ala Ser Val Ser Pro Glu Pro Pro Cys Thr Tyr Gly
69              75                  80                  85
71 agc gcc atc acc ccc gtc ctc ggc gcc aac tcc ttc agc gtc ccc gac       582
72 Ser Ala Ile Thr Pro Val Leu Gly Ala Asn Ser Phe Ser Val Pro Asp  .
73              90                  95                  100
75 ggc gcg ggc ggc gcc gac ccc gcc ttc agc aac ccc atc cgc ttc ccc       630
76 Gly Ala Gly Gly Ala Asp Pro Ala Phe Ser Asn Pro Ile Arg Phe Pro
77          105                 110                 115
79 ttc ggc ttc acc tgg ccc ggc acc ttc tcg ctc atc atc gag gct ctg       678
80 Phe Gly Phe Thr Trp Pro Gly Thr Phe Ser Leu Ile Ile Glu Ala Leu
81      120                 125                 130
83 cac acc gac tcc ccc gac gac ctc acc aca gaa aac ccc gag cgc ctc       726
84 His Thr Asp Ser Pro Asp Asp Leu Thr Thr Glu Asn Pro Glu Arg Leu
85 135             140                 145                 150
87 atc agc cgc ctg gcc acc cag agg cac ctg gcg gtg ggc gag gag tgg       774
88 Ile Ser Arg Leu Ala Thr Gln Arg His Leu Ala Val Gly Glu Glu Trp
89              155                 160                 165
91 tcc cag gac ctg cac agc agc ggc cgc acc gac ctc aag tac tcc tat       822
92 Ser Gln Asp Leu His Ser Ser Gly Arg Thr Asp Leu Lys Tyr Ser Tyr
93          170                 175                 180
95 cgc ttt gtg tgt gat gag cac tac tac ggg gaa ggc tgc tct gtc ttc       870
96 Arg Phe Val Cys Asp Glu His Tyr Tyr Gly Glu Gly Cys Ser Val Phe
97·          185                 190                 195
99 tgc cgg ccc cgt gac gac cgc ttc ggt cac ttc acc tgt gga gag cgt       918
100 Cys Arg Pro Arg Asp Asp Arg Phe Gly His Phe Thr Cys Gly Glu Arg
101     200                 205                 210
103 ggc gag aag gtc tgc aac cca ggc tgg aag ggc cag tac tgc act gag       966
104 Gly Glu Lys Val Cys Asn Pro Gly Trp Lys Gly Gln Tyr Cys Thr Glu
105 215             220                 225                 230
107 ccg att tgc ttg cct ggg tgt gac gag cag cac ggc ttc tgc gac aaa      1014
108 Pro Ile Cys Leu Pro Gly Cys Asp Glu Gln His Gly Phe Cys Asp Lys
109             235                 240                 245
111 cct ggg gaa tgc aag tgc aga gtg ggt tgg cag ggg cgg tac tgt gac      1062
112 Pro Gly Glu Cys Lys Cys Arg Val Gly Trp Gln Gly Arg Tyr Cys Asp
113         250                 255                 260
115 gag tgc atc cga tac cca ggc tgc ctg cac ggt acc tgt cag cag cca      1110
116 Glu Cys Ile Arg Tyr Pro Gly Cys Leu His Gly Thr Cys Gln Gln Pro
117         265·                270                 275
119 tgg cag tgc aac tgc cag gaa ggc tgg ggc ggc ctt ttc tgc aac cag      1158
120 Trp Gln Cys Asn Cys Gln Glu Gly Trp Gly Gly Leu Phe Cys Asn Gln
121     280                 285                 290
123 gac ctg aac tac tgc act cac cac aag cca tgc aag aat ggt gcc aca      1206
124 Asp Leu Asn Tyr Cys Thr His His Lys Pro Cys Lys Asn Gly Ala Thr
125 295             300                 305                 310
127 tgc acc aac acc ggt cag ggg agc tac act tgt tct tgc cga cct ggg      1254
```

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```
128 Cys Thr Asn Thr Gly Gln Gly Ser Tyr Thr Cys Ser Cys Arg Pro Gly
129             315                 320                 325
131 tac aca ggc tcc agc tgc gag att gaa atc aac gaa tgt gat gcc aac   1302
132 Tyr Thr Gly Ser Ser Cys Glu Ile Glu Ile Asn Glu Cys Asp Ala Asn
133             330                 335                 340
135 cct tgc aag aat ggt gga agc tgc acg gat ctc gag aac agc tat tcc   1350
136 Pro Cys Lys Asn Gly Gly Ser Cys Thr Asp Leu Glu Asn Ser Tyr Ser
137         345                 350                 355
139 tgt acc tgc ccc cca ggc ttc tat ggt aaa aac tgt gag ctg agt gca   1398
140 Cys Thr Cys Pro Pro Gly Phe Tyr Gly Lys Asn Cys Glu Leu Ser Ala
141     360                 365                 370
143 atg act tgt gct gat gga ccg tgc ttc aat gga ggg cga tgc act gac   1446
144 Met Thr Cys Ala Asp Gly Pro Cys Phe Asn Gly Gly Arg Cys Thr Asp
145 375                 380                 385                 390
147 aac cct gat ggt gga tac agc tgc cgc tgc cca ctg ggt tat tct ggg   1494
148 Asn Pro Asp Gly Gly Tyr Ser Cys Arg Cys Pro Leu Gly Tyr Ser Gly
149             395                 400                 405
151 ttc aac tgt gaa aag aaa atc gat tac tgc agt tcc agc cct tgt gct   1542
152 Phe Asn Cys Glu Lys Lys Ile Asp Tyr Cys Ser Ser Ser Pro Cys Ala
153         410                 415                 420
155 aat gga gcc cag tgc gtt gac ctg ggg aac tcc tac ata tgc cag tgc   1590
156 Asn Gly Ala Gln Cys Val Asp Leu Gly Asn Ser Tyr Ile Cys Gln Cys
157         425                 430                 435
159 cag gct ggc ttc act ggc agg cac tgt gac gac aac gtg gac gat tgc   1638
160 Gln Ala Gly Phe Thr Gly Arg His Cys Asp Asp Asn Val Asp Asp Cys
161     440                 445                 450
163 gcc tcc ttc ccc tgc gtc aat gga ggg acc tgt cag gat ggg gtc aac   1686
164 Ala Ser Phe Pro Cys Val Asn Gly Gly Thr Cys Gln Asp Gly Val Asn
165 455                 460                 465                 470
167 gac tac tcc tgc acc tgc ccc ccg gga tac aac ggg aag aac tgc agc   1734
168 Asp Tyr Ser Cys Thr Cys Pro Pro Gly Tyr Asn Gly Lys Asn Cys Ser
169             475                 480                 485
171 acg ccg gtg agc aga tgc gag cac aac ccc tgc cac aat ggg gcc acc   1782
172 Thr Pro Val Ser Arg Cys Glu His Asn Pro Cys His Asn Gly Ala Thr
173             490                 495                 500
175 tgc cac gag aga agc aac cgc tac gtg tgc gag tgc gct cgg ggc tac   1830
176 Cys His Glu Arg Ser Asn Arg Tyr Val Cys Glu Cys Ala Arg Gly Tyr
177         505                 510                 515
179 ggc ggc ctc aac tgc cag ttc ctg ctc ccc gag cca cct cag ggg ccg   1878
180 Gly Gly Leu Asn Cys Gln Phe Leu Leu Pro Glu Pro Pro Gln Gly Pro
181     520                 525                 530
183 gtc atc gtt gac ttc acc gag aag tac aca gag ggc cag aac agc cag   1926
184 Val Ile Val Asp Phe Thr Glu Lys Tyr Thr Glu Gly Gln Asn Ser Gln
185 535                 540                 545                 550
187 ttt ccc tgg atc gca gtg tgc gcc ggg att att ctg gtc ctc atg ctg   1974
188 Phe Pro Trp Ile Ala Val Cys Ala Gly Ile Ile Leu Val Leu Met Leu
189             555                 560                 565
191 ctg ctg ggt tgc gcc gcc atc gtc gtc tgc gtc agg ctg aag gtg cag   2022
192 Leu Leu Gly Cys Ala Ala Ile Val Val Cys Val Arg Leu Lys Val Gln
```

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Input Set : D:\Substi SEQLIST 7326-122 (as filed).TXT
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```
193           570                  575                  580
195 aag agg cac cac cag ccc gag gcc tgc agg agt gaa acg gag acc atg   2070
196 Lys Arg His His Gln Pro Glu Ala Cys Arg Ser Glu Thr Glu Thr Met
197           585                  590                  595
199 aac aac ctg gcg aac tgc cag cgc gag aag gac atc tcc atc agc gtc   2118
200 Asn Asn Leu Ala Asn Cys Gln Arg Glu Lys Asp Ile Ser Ile Ser Val
201           600                  605                  610
203 atc ggt gcc act cag att aaa aac aca aat aag aaa gta gac ttt cac   2166
204 Ile Gly Ala Thr Gln Ile Lys Asn Thr Asn Lys Lys Val Asp Phe His
205 615                  620                  625                  630
207 agc gat aac tcc gat aaa aac ggc tac aaa gtt aga tac cca·tca gtg   2214
208 Ser Asp Asn Ser Asp Lys Asn Gly Tyr Lys Val Arg Tyr Pro Ser Val
209           635                  640                  645
211 gat tac aat ttg gtg cat gaa ctc aag aat gag gac tct gtg aaa gag   2262
212 Asp Tyr Asn Leu Val His Glu Leu Lys Asn Glu Asp Ser Val Lys Glu
213           650                  655                  660
215 gag cat ggc aaa tgc gaa gcc aag tgt gaa acg tat gat tca gag gca   2310
216 Glu His Gly Lys Cys Glu Ala Lys Cys Glu Thr Tyr Asp Ser Glu Ala
217           665                  670                  675
219 gaa gag aaa agc gca gta cag cta aaa agt agt gac act tct gaa aga   2358
220 Glu Glu Lys Ser Ala Val Gln Leu Lys Ser Ser Asp Thr Ser Glu Arg
221           680                  685                  690
223 aaa cgg cca gat tca gta tat tcc act tca aag gac aca aag tac cag   2406
224 Lys Arg Pro Asp Ser Val Tyr Ser Thr Ser Lys Asp Thr Lys Tyr Gln
225 695                  700                  705                  710
227 tcg gtg tac gtc ata tca gaa gag aaa gat gag tgc atc ata gca act   2454
228 Ser Val Tyr Val Ile Ser Glu Glu Lys Asp Glu Cys Ile Ile Ala Thr
229           715                  720                  725
231 gag gtg taaaacagac gtgacgtggc aaagcttatc gataccgtca tcaagctt   2508
232 Glu Val
236 <210> SEQ ID NO: 2
237 <211> LENGTH: 728                    oK
238 <212> TYPE: PRT
239 <213> ORGANISM: Gallus gallus
241 <400> SEQUENCE: 2
242 Met Gly Gly Arg Phe Leu Leu Thr Leu Ala Leu Leu Ser Ala Leu Leu
243 1             5                  10                  15
244 Cys Arg Cys Gln Val Asp Gly Ser Gly Val Phe Glu Leu Lys Leu Gln
245           20                  25                  30
246 Glu Phe Val Asn Lys Lys Gly Leu Leu Ser Asn Arg Asn Cys Cys Arg
247           35                  40                  45
248 Gly Gly Gly Pro Gly Gly Ala Gly Gln Gln Gln Cys Asp Cys Lys Thr
249     50                  55                  60
250 Phe Phe Arg Val Cys Leu Lys His Tyr Gln Ala Ser Val Ser Pro Glu
251 65                  70                  75                  80
252 Pro Pro Cys Thr Tyr Gly Ser Ala Ile Thr Pro Val Leu Gly Ala Asn
253           85                  90                  95
254 Ser Phe Ser Val Pro Asp Gly Ala Gly Gly Ala Asp Pro Ala Phe Ser
255           100                  105                  110
```

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```
256 Asn Pro Ile Arg Phe Pro Phe Gly Phe Thr Trp Pro Gly Thr Phe Ser
257         115             120             125
258 Leu Ile Ile Glu Ala Leu His Thr Asp Ser Pro Asp Asp Leu Thr Thr
259         130             135             140
260 Glu Asn Pro Glu Arg Leu Ile Ser Arg Leu Ala Thr Gln Arg His Leu
261 145             150             155             160
262 Ala Val Gly Glu Glu Trp Ser Gln Asp Leu His Ser Ser Gly Arg Thr
263             165             170             175
264 Asp Leu Lys Tyr Ser Tyr Arg Phe Val Cys Asp Glu His Tyr Tyr Gly
265         180             185             190
266 Glu Gly Cys Ser Val Phe Cys Arg Pro Arg Asp Asp Arg Phe Gly His
267         195             200             205
268 Phe Thr Cys Gly Glu Arg Gly Glu Lys Val Cys Asn Pro Gly Trp Lys
269         210             215             220
270 Gly Gln Tyr Cys Thr Glu Pro Ile Cys Leu Pro Gly Cys Asp Glu Gln
271 225             230             235             240
272 His Gly Phe Cys Asp Lys Pro Gly Glu Cys Lys Cys Arg Val Gly Trp
273             245             250             255
274 Gln Gly Arg Tyr Cys Asp Glu Cys Ile Arg Tyr Pro Gly Cys Leu His
275         260             265             270
276 Gly Thr Cys Gln Gln Pro Trp Gln Cys Asn Cys Gln Glu Gly Trp Gly
277         275             280             285
278 Gly Leu Phe Cys Asn Gln Asp Leu Asn Tyr Cys Thr His His Lys Pro
279         290             295             300
280 Cys Lys Asn Gly Ala Thr Cys Thr Asn Thr Gly Gln Gly Ser Tyr Thr
281 305             310             315             320
282 Cys Ser Cys Arg Pro Gly Tyr Thr Gly Ser Ser Cys Glu Ile Glu Ile
283             325             330             335
284 Asn Glu Cys Asp Ala Asn Pro Cys Lys Asn Gly Gly Ser Cys Thr Asp
285         340             345             350
286 Leu Glu Asn Ser Tyr Ser Cys Thr Cys Pro Pro Gly Phe Tyr Gly Lys
287         355             360             365
288 Asn Cys Glu Leu Ser Ala Met Thr Cys Ala Asp Gly Pro Cys Phe Asn
289         370             375             380
290 Gly Gly Arg Cys Thr Asp Asn Pro Asp Gly Gly Tyr Ser Cys Arg Cys
291 385             390             395             400
292 Pro Leu Gly Tyr Ser Gly Phe Asn Cys Glu Lys Lys Ile Asp Tyr Cys
293             405             410             415
294 Ser Ser Ser Pro Cys Ala Asn Gly Ala Gln Cys Val Asp Leu Gly Asn
295         420             425             430
296 Ser Tyr Ile Cys Gln Cys Gln Ala Gly Phe Thr Gly Arg His Cys Asp
297         435             440             445
298 Asp Asn Val Asp Asp Cys Ala Ser Phe Pro Cys Val Asn Gly Gly Thr
299         450             455             460
300 Cys Gln Asp Gly Val Asn Asp Tyr Ser Cys Thr Cys Pro Pro Gly Tyr
301 465             470             475             480
302 Asn Gly Lys Asn Cys Ser Thr Pro Val Ser Arg Cys Glu His Asn Pro
303             485             490             495
304 Cys His Asn Gly Ala Thr Cys His Glu Arg Ser Asn Arg Tyr Val Cys
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/06/2005
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:15; Xaa Pos. 4
Seq#:16; Xaa Pos. 11,15,23,24,28
Seq#:17; Xaa Pos. 41
Seq#:18; Xaa Pos. 34,35,39,44,96
Seq#:19; Xaa Pos. 1,19,23,32,33,36,43
Seq#:23; Xaa Pos. 25,34,35,38,97
Seq#:24; N Pos. 854,973,984,1582,1787,1819,1864,1916,1951,2033,2152,2156
Seq#:24; N Pos. 2171,2183,2194,2212,2220,2226,2230,2244,2245,2264,2265,2266
Seq#:24; N Pos. 2287
Seq#:26; N Pos. 559,678,689,1287,1492,1524,1569,1621,1656,1738,1857,1861
Seq#:26; N Pos. 1876,1888,1899,1917,1925,1931,1935,1942,1943,1952,1953,1954
Seq#:26; N Pos. 1968
Seq#:33; Xaa Pos. 25
Seq#:34; Xaa Pos. 27
Seq#:35; Xaa Pos. 166,179
Seq#:36; Xaa Pos. 51
Seq#:37; Xaa Pos. 28,39
Seq#:40; Xaa Pos. 4,43,45,50,54
Seq#:41; Xaa Pos. 5,8
Seq#:42; Xaa Pos. 1,4,5
Seq#:43; Xaa Pos. 226,230
Seq#:45; Xaa Pos. 55
Seq#:46; Xaa Pos. 47,58,73,101,128,167,168,181,187
Seq#:47; Xaa Pos. 2,4,5,7,8,11,16
Seq#:51; Xaa Pos. 126
Seq#:52; Xaa Pos. 30,33
Seq#:60; Xaa Pos. 76
Seq#:61; Xaa Pos. 12
Seq#:62; Xaa Pos. 4,19,36,48,75
Seq#:63; Xaa Pos. 16,17,22,26,30
Seq#:64; Xaa Pos. 2,6,8,10,13,14,19
Seq#:81; N Pos. 6,12,18,21
Seq#:82; N Pos. 3,9,12,15
Seq#:86; N Pos. 3,9,15,18,21
Seq#:87; N Pos. 3,6,18
Seq#:89; N Pos. 3,15,18
Seq#:91; N Pos. 6,9,21
Seq#:93; N Pos. 6
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VERIFICATION SUMMARY   DATE: 05/06/2005
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```
L:1140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:1158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
M:341 Repeated in SeqNo=16
L:1184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:32
L:1216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:32
M:341 Repeated in SeqNo=18
L:1250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
M:341 Repeated in SeqNo=19
L:1325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:16
M:341 Repeated in SeqNo=23
L:1377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:840
M:341 Repeated in SeqNo=24
L:1449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:540
M:341 Repeated in SeqNo=26
L:1588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:16
L:1611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:16
L:1652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:160
M:341 Repeated in SeqNo=35
L:1681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:48
L:1704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:16
M:341 Repeated in SeqNo=37
L:1753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
M:341 Repeated in SeqNo=40
L:1778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:224
L:1899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:48
L:1924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:32
M:341 Repeated in SeqNo=46
L:1961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:2040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:112
L:2063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:16
M:341 Repeated in SeqNo=52
L:2194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:64
L:2221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
L:2242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0
M:341 Repeated in SeqNo=62
L:2273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0
M:341 Repeated in SeqNo=63
L:2296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0
M:341 Repeated in SeqNo=64
L:2584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:2600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:2646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0
L:2662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0
L:2691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
L:2720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:0
L:2749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:0
```